Psilocybin Mushroom Chemistry
by Erowid

NAME :
Psilocybin
CHEMICAL NAME :
3-[2-(Dimethylamino)ethyl]-1H-indol-4-ol dihydrogen phosphate ester
ALTERNATE CHEMICAL NAMES :
O-phosphoryl-4-hydroxy-N,N-dimethyltryptamine; Indocybin
CHEMICAL FORMULA
C12H17N2O4P
MOLECULAR WEIGHT
284.25
MELTING POINT
220-228° C (Crystals from boiling water)
MELTING POINT
185-195° C (Crystals from methanol)
pH
5.2 (in 50% aq ethanol)
LD50
285 mg/kg i.v.(mice)
LD50
280 mg/kg i.v. (rats)
LD50
12.5 mg/kg i.v.(rabbits)

Suspended in the darkness of
The cool and still Boulder Creek Night
I hear the song of the cricket
And locusts and frogs
And I wonder
Is this the life of a Mushroom

- - - Barbara E Hanson